

TOSHIBA

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SUPPLEMENT

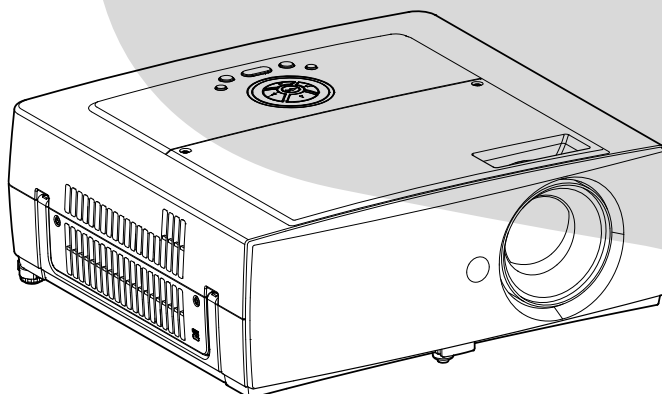
SERVICE MANUAL

DLP PROJECTOR

TDP-TW355U, TDP-TW355E

TDP-TW355B, TDP-TW355C

TDP-TW355K



Use this service manual together with the original service manual 330-200504.

The above models are classified as green product (s) (*1), as indicated by the underlined serial number (s).
This Service Manual describes replacement parts for green product (s). When repairing any green product (s), use the parts described in this manual and lead-free solder (*2).
For (*1) and (*2), see the next page.

(*1)

GREEN PRODUCT PROCUREMENT

The EC is actively promoting the WEEE & RoHS Directives that define standards for recycling and reuse of Waste Electrical and Electronic Equipment and for the Restriction of the use of certain Hazardous Substances. From July 1, 2006, the RoHS Directive will prohibit any marketing of new products containing lead.

Increasing attention is given to issues related to the global environmental. Toshiba Corporation recognizes environmental protection as a key management tasks, and is doing its utmost to enhance and improve the quality and scope of its environmental activities. In line with this, Toshiba proactively promotes Green Procurement, and seeks to purchase and use products, parts and materials that have low environmental impacts. Green procurement of parts is not only confined to manufacture. The same green parts used in manufacture must also be used as replacement parts.

(*2) LEAD-FREE SOLDER

This product is manufactured using lead-free solder as a part of a movement within the CE industry at large to be environmentally responsible. Lead-free solder must be used in the servicing and repair of this product.

WARNING

This product is manufactured using lead free solder.

DO NOT USE LEAD BASED SOLDER TO REPAIR THIS PRODUCT !

The melting temperature of lead-free solder is higher than that of leaded solder by 86° F to 104 ° F (30° C to 40° C). Use of a soldering iron designed for lead-based solders to repair product made with lead-free solder may result in damage to the component and or PCB being soldered. Great care should be made to ensure high-quality soldering when servicing this product—especially when soldering large components, through-hole pins, and on PCBs—as the level of heat required to melt lead-free solder is high.

Spare parts list(TLP-TW355 series)

GREEN

No	Location	Description	Part No				
			E	B	U	C	K
1	A100	COVER ASSY, TOP			23533297		
2	A101	ENTER KEY ASSY			23445913		
3	A200	HANDLE, CARRING HANDLE			23436867		
4	A220	COVER ASSY, LAMP			23533303		
5	A221	PLATE, LAMP HOLE PROTECTOR T355			75008296		
6	A230	PANEL ASSY, FRONT			23450861		
7	A250	CAP, LENS PRO			23890152		
8	A301	LABEL, RATING, T355		75007676		75007805	75007788
9	A400	CARTON BOX, TDP-T350T		-----		75007381	-----
10	A401	PACKING		23580113		23580157	23580113
11	A405	COVER			23943034		
12	B100	COVER ASSY, BTM CHASSIS			23533300		
13	B184	SCREW, BUSHING ECO			23727011		
14	B189	SCREW, BUSHING ECO			23727011		
15	B190	TERMINAL BOARD COVER			23528447		
16	E200	OPTICS BLOCK, CJ812TA			23405471		
17	E202	LENS			23405472		
18	E203	COLOR WHEEL ASSY, 812CW			23125936		
19	E204	DMD, 0.7XGA DDR-2, S1076-7402, DMD			23301648		
20	E206	PC BOARD ASSY, 812DMD-PCB, DMD			23764186		
21	E207	PC BOARD ASSY, 812CW-PCB, COLOR			23764187		
22	E209	PAD, 812THERMAL-SHEET			23937059		
23	E210	MIRROR ASSY			23405494		
24	IC103	IC, MM1565AFBE, VOLTAGE REGULATOR			75004420		
25	IC104	IC, PW288B-10L, IMAGE PROCESSOR			75001317		
26	IC105	IC, MAX6316LUK29CY+T, WATCHDOG TIMER AND MANUAL RESE			75001238		
27	IC107	IC, PNA4612M01TH, PD WITH REMOTE CONT			75001241		
28	IC108	IC, TC7SH08FU(TE85L,F)			75001245		
29	IC109	IC, L3232ECV-16Z-T			75004413		
30	IC110	IC, BR24L16F-WE2, BIT EEPROM			75001222		
31	IC1100	IC, PNA4612M01TH, PD WITH REMOTE CONT			75001241		
32	IC111	IC, TC7WBD126AFK(T5L,F, DUAL BUS SWITCH			75001220		
33	IC112	IC, TC7SH14FU(TE85L,F), SCHMITT INVERTER			75002121		
34	IC113	IC, TC7WBD126AFK(T5L,F, DUAL BUS SWITCH			75001220		

No	Location	Description	Part No				
			E	B	U	C	K
35	IC117	IC, TC7WBD126AFK(T5L,F, DUAL BUS SWITCH			75001220		
36	IC121	IC, TC7SH08FU(TE85L,F)			75001245		
37	IC130	IC, TC74LCX273FT			75000895		
38	IC131	IC, TC74LCX273FT			75000895		
39	IC133	IC, TC7SH08FU(TE85L,F)			75001245		
40	IC1500	IC, SN74LVC2G17DCKR, DUAL SCHMITT-TRIGGER			75004411		
41	IC1501	IC, AD8183ARUZ-REEL7, MULTIPLEXERS			75001233		
42	IC1502	IC, SN74LVC2G17DCKR, DUAL SCHMITT-TRIGGER			75004411		
43	IC1504	IC, LM2660MM, SWITCHED CAPACITOR VOLTAGE CON			75001237		
44	IC1506	IC, NJM2750M(TE1), AUDIO SELECTOR			75001322		
45	IC1507	IC, SN74LVC2G17DCKR, DUAL SCHMITT-TRIGGER			75004411		
46	IC1508	IC, EL4332CSZ-T7, VIDEO MULTIPLEXING			75001323		
47	IC1511	IC, TC7SH04FU, INVERTER			75001217		
48	IC350	IC, TC7WBD126AFK(T5L,F, DUAL BUS SWITCH			75001220		
49	IC351	IC, G794D5U, TEMPERATURE SENSOR AND 4FAN CONTROLLER			75004421		
50	IC352	IC, PQ20WZ5UJ00H, VOLTAGE REGULATOR			75001246		
51	IC353	IC, PQ20WZ5UJ00H, VOLTAGE REGULATOR			75001246		
52	IC354	IC, PQ20WZ5UJ00H, VOLTAGE REGULATOR			75001246		
53	IC355	IC, PQ20WZ5UJ00H, VOLTAGE REGULATOR			75001246		
54	IC356	IC, MXD2020EL-T/R, ACCELEROMETER			75004419		
55	IC358	IC, LAN91C113-NU, NON- PCI ETHERNET			75001341		
56	IC359	IC, PQ20WZ5UJ00H, VOLTAGE REGULATOR			75001246		
57	IC360	IC, M62334FP DF5J, D/A CONVERTER			75001226		
58	IC401	IC, XC95144XL-10TQG144C- T250, HIGH PERFORMANCE CPLD			75001318		
59	IC5001	IC, SII1169CTU, DUAL LINK HDCP RECEIVER			75001321		
60	IC5008	IC, AD8183ARUZ-REEL7, MULTIPLEXERS			75001233		
61	IC5009	IC, ISL59885ISZ-T7, VIDEO SYNC SEPARATOR			75004424		
62	IC5010	IC, ISL59885ISZ-T7, VIDEO SYNC SEPARATOR			75004424		

No	Location	Description	Part No				
			E	B	U	C	K
63	IC5014	IC, SN74LVC2G17DCKR, DUAL SCHMITT-TRIGGER			75004411		
64	IC5017	IC, MM1565AFBE, VOLTAGE REGULATOR			75004420		
65	IC5018	IC, LM2660MM, SWITCHED CAPACITOR VOLTAGE CON			75001237		
66	IC5019	IC, ISL59885ISZ-T7, VIDEO SYNC SEPARATOR			75004424		
67	IC6000	IC, TC90101FG(BS,DRY), VIDEO DECODER			75001320		
68	IC6002	IC, PQ20WZ5UJ00H, VOLTAGE REGULATOR			75001246		
69	IC6004	IC, MM1565AFBE, VOLTAGE REGULATOR			75004420		
70	IC6009	IC, EL1883ISZ-T7, SYNC SEPARATOR			75004423		
71	IC6010	IC, EL1883ISZ-T7, SYNC SEPARATOR			75004423		
72	IC6601	IC, NJW1142AV(TE1), AUDIO PROCESSOR			75004426		
73	IC6603	IC, NJM2370U1-09-TE1, VOLTAGE REGULATOR			75001239		
74	IC700	IC, 2501963-0005			75001316		
75	IC701	IC, TC7SH08FU(TE85L,F)			75001245		
76	IC702	IC, CDCR83DBQR, DIRECT RAMBUS CLOCK			75001232		
77	IC703	IC, K4R271669F-TCS8, BIT RDRAM			75001221		
78	IC705	IC, 2503253-0004, DMD POWER AND RESET			75002697		
79	IC706	IC, TPS3307-25DGNRG4, TRIPLE PRO CESSOR SUPERVISORS			75001242		
80	IC707	IC, LM393DR, DUAL DIFFERENTIAL			75001228		
81	IC708	IC, A8904SLBTR-T, DC MOTOR			75001234		
82	IC709	IC, PQ200WNA1ZPH, VOLTAGE REGULATOR			75004422		
83	IC711	IC, PQ200WNA1ZPH, VOLTAGE REGULATOR			75004422		
84	MJ108	THERMAL SWITCH ASSY, THERMAL-2PW			23513280		
85	MJ99	WIRE HARNESS, 15PIN-15PIN			23507539		
86	P200	SPEAKER ASSY, L			23351316		
87	P201	SPEAKER ASSY, R			23351317		
88	P800	POWER UNIT, APS-M550, MAIN			23122494		
89	P850	POWER UNIT, PHG281A1AXV,			75007674		
90	PJ354	CONNECTOR, 1.25MM PITCH W TO B			75002110		

No	Location	Description	Part No				
			E	B	U	C	K
91	PJ702	CONNECTOR, 1.25MM PITCH W TO B	75002110				
92	PJ704	CONNECTOR, 1.25MM PITCH W TO B	75002110				
93	U001	PC BOARD ASSY, MAIN, FT5MA1, TDP-T355JF	75007669				
94	U002	PC BOARD ASSY, SENSOR, FT5SE1, TDP-T355JF	75007670				
95	U003	PC BOARD ASSY, DOOR SWITCH, FT5DS1, TDP-	75007671				
96	U004	PC BOARD ASSY, RELAY, FT5RE1, TDP-T355JF	75007672				
97	U005	PC BOARD ASSY, FT5AU1, TDP-T355JF	75007673				
98	U006	PC BOARD ASSY, AV IN/OUT, FT3AV3	75003136				
99	U007	PC BOARD ASSY, KEY BOARD, FT3KY2	75001270				
100	Y100	CABLE, TA-3-L-012	75007680				
101	Y120	BAG, TDP-T250	23542015				
102	Y200	CD-ROM, OWNERS MANUAL, T355	75007678				
103	Y201	OWNERS MANUAL, T355 EGFSKJ	75007679			75007807	75007679
104	Y230	REMOCON HAND UNIT, CT-90226, IR, PJ31MOU	23306619				
105	Y231	REMOCON RECEIVER, IR, MOUS, CR-916	23306621				
106	Y260	POWER CORD, CEE 250V 6A, 3M	23372167	-----	23372148	23372155	23372167
107	Y261	POWER CORD, UK250V6A MP5004 GR	-----	23372337	-----		
108	Z100	FAN, 3110RL-04W-B59-F51, INTAKE	23125937				
109	Z101	FAN, D08A-12PU 06A, EXHAUST	23125938				
110	Z102	FAN, 2806KL-04W-B59, POWER	23125939				
111	Z103	FAN, D05F-12BS2 01A, LAMP	23125940				

TOSHIBA CORPORATION

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